



Connectors > Automotive Connectors > Connector Housings > DEUTSCH DT Series Housings & Connectors



Connector & Housing Type: **Housing for Female Terminals**

Mating Pin Diameter: **1.59 mm [.063 in]**

Connector System: **Wire-to-Wire**

Number of Positions: **8**

Centerline (Pitch): **9.12 mm [.359 in]**

[All DEUTSCH DT Series Housings & Connectors \(461\)](#)

Features

Product Type Features

| | |
|-----------------------------------|------------------------------|
| Connector & Housing Shape | Rectangular |
| Connector & Housing Type | Housing for Female Terminals |
| Connector System | Wire-to-Wire |
| Sealable | Yes |
| Hybrid Connector | No |
| Primary Locking Feature | Integrated in Housing |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|-----------------------|---|
| Blank Cavity Position | 0 |
| Number of Positions | 8 |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|------------------------------|------------------|
| Operating Voltage | 250 VAC |
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |

Body Features

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|------------------|-------|
| Cable Exit Angle | 180° |
| Body Material | PA GF |



| | |
|-----------------------|------|
| Primary Product Color | Gray |
|-----------------------|------|

| | |
|----------------|---|
| Connector Code | A |
|----------------|---|

Contact Features

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|--------------|---------|
| Contact Size | Size 16 |
|--------------|---------|

| | |
|---------------------|------------------|
| Mating Pin Diameter | 1.59 mm[.063 in] |
|---------------------|------------------|

| | |
|------------------------------|------|
| Contact Current Rating (Max) | 13 A |
|------------------------------|------|

Mechanical Attachment

| | |
|------------------|---------|
| Mounting Feature | Without |
|------------------|---------|

| | |
|-----------------------------|-----|
| Terminal Position Assurance | Yes |
|-----------------------------|-----|

| | |
|---------------|------------------|
| Strain Relief | Add By Accessory |
|---------------|------------------|

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|-----------------------|-------|
| Mating Alignment Type | Keyed |
|-----------------------|-------|

| | |
|------------------|------|
| Mating Alignment | With |
|------------------|------|

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

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|--------------------|------------------|
| Centerline (Pitch) | 9.12 mm[.359 in] |
|--------------------|------------------|

Dimensions

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|---------------|-------------------|
| Product Width | 19.71 mm[.776 in] |
|---------------|-------------------|

| | |
|----------------|--------------------|
| Product Length | 30.91 mm[1.217 in] |
|----------------|--------------------|

| | |
|----------------|--------------------|
| Product Height | 37.21 mm[1.465 in] |
|----------------|--------------------|

| | |
|--------------------|------------------|
| Row-to-Row Spacing | 4.45 mm[.175 in] |
|--------------------|------------------|

| | |
|--|--------------------------------|
| Accepts Wire Insulation Diameter Range | 2.23 – 3.68 mm[.088 – .145 in] |
|--|--------------------------------|

Usage Conditions

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|-----------------------------|----------------|
| Operating Temperature (Max) | 125 °C[257 °F] |
|-----------------------------|----------------|

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|-----------------|-----------|
| Agency/Standard | SAE J2030 |
|-----------------|-----------|

| | |
|----------------------|--------------|
| Degree of Protection | IP68, IP6K9K |
|----------------------|--------------|

| | |
|------------------------|------------------------------------|
| UL Flammability Rating | 12mm Flame Test per Standard UL-94 |
|------------------------|------------------------------------|

Packaging Features

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|--|--|
| | |
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| | |
|--------------------|-----|
| Packaging Quantity | 550 |
| Packaging Method | Box |

Other

| | |
|--------------------------------------|-----|
| Serviceable | Yes |
| Connector Position Assurance Capable | No |

Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed for solder process capability |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # CAT-D487-H342
DEUTSCH DT HEADERS



TE Part # CAT-D487-CH8172
DEUTSCH DT Series Housings & Connectors



TE Part # CAT-D48-SFT273
DEUTSCH STAMPED & FORMED CONTACTS



TE Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS




TE Part # CAT-D487-B128
DEUTSCH DT BACKSHELLS



TE Part # 1011-348-0805
DUST CAP, 8P, PLG, BLK, DT



TE Part # W8S
WEDGE LOCK, 8P, PLG, ORG, STD, DT



TE Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS



TE Part # 776363-1
SEALING PLUG, SZ 16 CAVITY



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE




TE Part # DT8S-BT-BK
BOOT, 8P, PLG, ST, BLK



TE Part # DT8S-BT
BOOT, 8P, PLG, ST, GRY


Also in the Series | **DEUTSCH DT**




Automotive Connector Caps & Covers (98)




Automotive Connector Locks & Position Assurance (73)




Automotive Housings (619)



Automotive Seals & Cavity Plugs (4)



Insertion & Extraction Tools (3)



Other Automotive Connector Accessories (14)



PCB Headers & Receptacles (83)

Customers Also Bought



Documents

Product Drawings

PLG, 8P, GRY, N, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT06-08SA_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT06-08SA_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT06-08SA_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_DT06-08SA_02022018013_dmtec

English

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English

Agency Approvals

UL Report



English